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(54) A system for interactive organization and browsing of video

(57) A system for interactively organizing and browsing video automatically processes video, creating a video table of contents (VTOC), while providing easy-to-use interfaces for verification, correction, and augmentation of the automatically extracted video structure. Shot detection, shot grouping and VTOC generation are automatically determined without making restrictive as-

sumptions about the structure or content of the video. A nonstationary time series model of difference metrics is used for shot boundary detection. Color and edge similarities are used for shot grouping. Observations about the structure of a wide class of videos are used for the generating the table of contents. The use of automatic processing in conjunction with input from the user provides a meaningful video organization.

FIG. 4

